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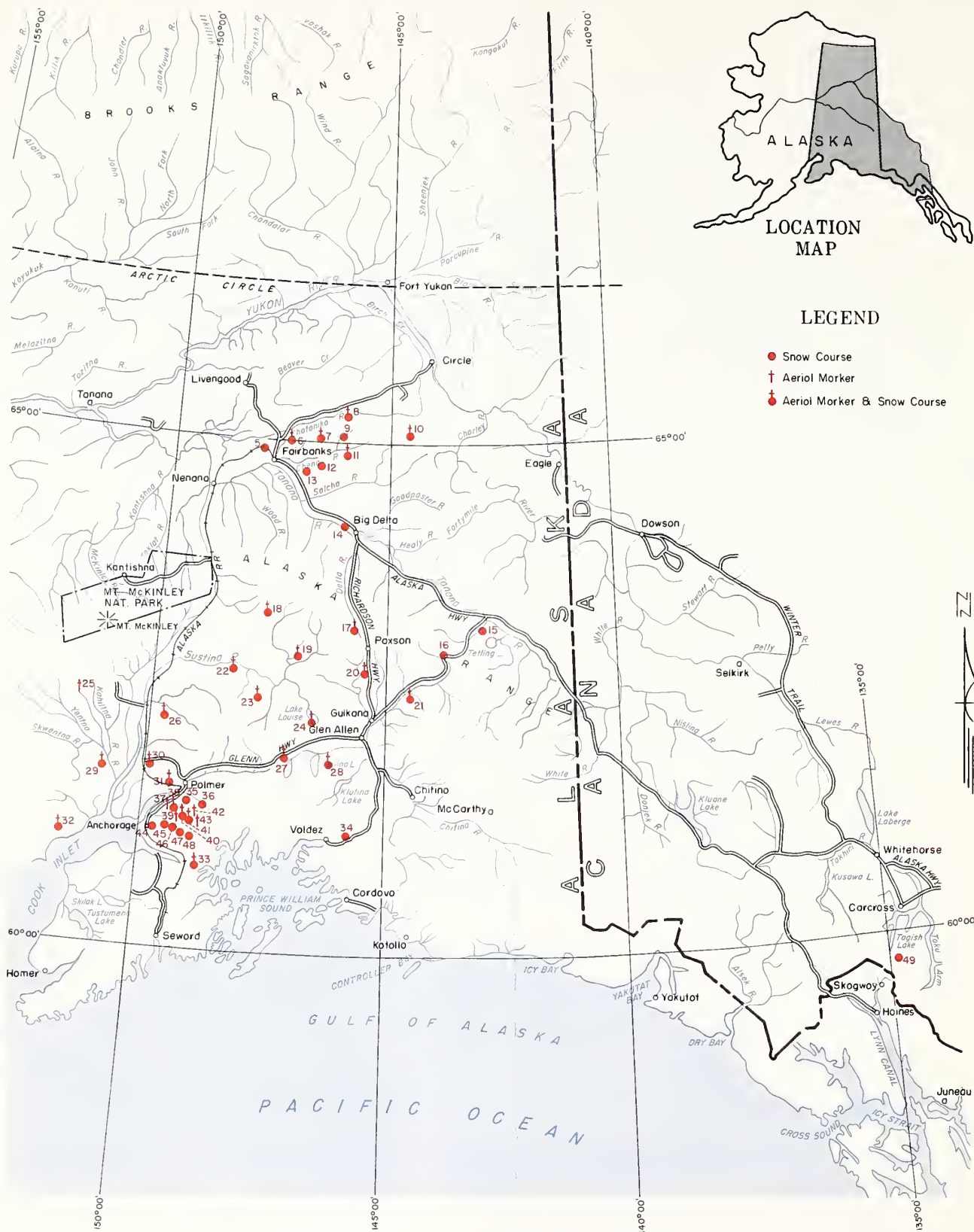
CURRENT SERIAL RECORDS

FEDERAL - STATE - PRIVATE
COOPERATIVE SNOW SURVEYS
for
ALASKA

U. S. DEPARTMENT of AGRICULTURE , SOIL CONSERVATION SERVICE
and
ALASKA SOIL CONSERVATION DISTRICT

Data included in this report were obtained by the agencies named above in cooperation with the U.S. Army Corps of Engineers, U.S. Bureau of Reclamation, Alaska Highway Dept., Alaska Department of Fish and Game and University of Alaska.

AS OF
MAR. 1, 1964



SNOW SURVEYS

for

ALASKA

Report Issued by

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

W. B. OLIVER, STATE CONSERVATIONIST
P. O. BOX F, PALMER, ALASKA

INDEX OF ALASKA SNOW COURSES

MAP No.	COURSE NAME	COURSE No.	ELEV.	MAP No.	COURSE NAME	COURSE No.	ELEV.
5	Yak Pasture	47PP1	540	28	St. Anne's Lake	46MM1A	1985
6	Cleary Summit	47QQ1A	2230	29	Alexander Lake	50MM1A	200
7	Little Chena	46QQ2A	2200	30	Willow Airstrip	50MM2A	
8	Mt. Ryan	46QQ1A	2950	31	Wasilla Airstrip	49MM6A	
9	Chena Hot Springs	46QQ3	1180	32	McArthur	51MM1A	120
10	Big Windy	44QQ2A	3850	33	Twenty Mile	48LL1A	
11	Munson Ridge	46PP1A	3100	34	Worthington Glacier	45MM1	2400
12	Little Salch	46PP3	1500	35	Moraine	48MM1A	2100
13	French Creek	46PP2	2010	36	Ptarmigan	48MM2	3000
14	Big Delta	45PP1	975	37	Glacier	48MM3a	
15	Tok Junction	43001	1650	38	Grizzly	48MM4A	5000
16	Mentasta Pass	43NN1	2430	39	Sheep	48MM5a	2500
17	Fielding Lake	45001A	3000	40	Bowl	48MM6a	4500
18	Monahan Flat	47001A	2710	41	Goat	48MM7A	3200
19	Clearwater Lake	46NN1A	3100	42	Marmot	48MM8A	2000
20	Haggard Creek	45NN1A	2540	43	Little Glacier	48MM9a	4000
21	Chistochina	44NN1A	2170	44	Arctic Valley #1	49MM1	500
22	Fog Lakes	48NN1A	2270	45	Arctic Valley #2	49MM2	1000
23	Oshetna Lake	47NN1A	2950	46	Arctic Valley #3	49MM3	2030
24	Lake Louise	46NN2A	2400	47	Arctic Valley #4	49MM4	2330
25	Chelatna Lake	51NN1a	1650	48	Arctic Ski Bowl	49MM5	3000
26	Bald Mtn. Lake	49NN1A	2150	49	Log Cabin (British Columbia)	35KK1	2880
27	Sheep Mountain	45MM1	2700				

March 1964

Snow depths in Alaska on the dates of measurements were quite variable. In the Chena watershed, all courses had less snow than last year and a much lower water content. Water content of the snow in the Chena was from 50 to 80% below last year's March 1 reading, and from 30 to 50% below the cumulative average for these courses.

The Tanana Valley courses, outside of the Chena, also had less snow and water than 1963, and were 20 - 30% below the cumulative average.

Measurements in Arctic Valley, near Anchorage, on new courses established in 1963, show higher water content than the courses at higher elevations.

The Alaska Fish and Game Department found it very difficult to land a plane and take off in the unpacked snow and were able to get only one ground reading on the courses in the Susitna drainage. Most of the snow in the Susitna drainage fell during the latter part of February.

In the area of Alaska covered by snow surveys, snow accumulation to date is much below 1963, and about 20% below the average for the years of record on March 1st.

ALASKA SNOW SURVEYS

DRAINAGE BASIN AND SNOW COURSE	MAP NO.	DATE OF SURVEY	SNOW DEPTH (INCHES)	WATER CONTENT (INCHES)	WATER CONTENT	
					LAST YEAR	AVERAGE *
Yak Pasture	5	3/3/64	16.4	2.4	3.5	3.5
Cleary Summit	6	3/6/64	21	2.8	4.6	4.8
Little Chena	7	3/6/64	22	3	6.8	4.9
Mt. Ryan	8	3/6/64	18.6	2.4	8.3	5.3
Chena Hot Springs	9	3/6/64	13	1.2	5.8	3.5
Big Windy	10	3/6/64	8.7	1.1	8.4	4.7
Munson Ridge	11	3/6/64	23	3.3	9.6	6.5
Little Salcha	12	3/5/64	19.4	2.9	4.2	3.5
French Creek	13	3/5/64	27	3.3	3.7	3.5
Big Delta	14	3/5/64	8.7	.6	1.9	1.9
Tok Junction	15	3/4/64	18.1	2.9	3.5	3.4
Mentasta Pass	16	3/4/64	18.2	2.4	5.6	4.0
Fielding Lake	17	3/5/64	39	7.3	8.2	9.1
Monahan Flat	18	2/27/64	29.5	5.6	New course	
Clearwater Lake	19	2/27/64	24 * (Estimated)			
Haggard Creek	20	2/28/64	12 *			
Chistochina	21	2/28/64	12 *			
Fog Lakes	22	2/27/64	9	1.0	New course	
Oshetna Lake	23	2/28/64	12 *			
Lake Louise	24	2/28/64	30 *			
Chelatna Lake	25	2/27/64	30 *			
Bald Mtn. Lake	26	2/27/64	30 *			
Sheep Mountain	27	No measurement				
St. Anne's Lake	28	2/28/64	18 *			
Alexander Lake	29	2/26/64	51.9	11.4	New course	
Willow Airstrip	30	2/26/64	24 *			
Wasilla Airstrip	31	No measurement				
McArthur	32	2/26/64	114 *			
Twenty Mile	33	2/28/64	24 *			
Worthington						
Glacier	34	No measurement				
Moraine	35	No measurement				
Ptarmigan	36	No measurement				
Glacier	37	No measurement				
Grizzly	38	No measurement				
Sheep	39	No measurement				
Bowl	40	No measurement				
Goat	41	No measurement				
Marmot	42	No measurement				
Little Glacier	43	No measurement				
Arctic Valley #1	44	3/4/64	6.2	1.1	New course	
Arctic Valley #2	45	3/4/64	7.3	1.8	New course	
Arctic Valley #3	46	3/4/64	19.4	3.	New course	
Arctic Valley #4	47	3/4/64	21.4	4.	New course	
Arctic Ski Bowl	48	3/4/64	21.6	5.8	New course	
Log Cabin (British Columbia)	49	3/4/64	38.4	11.9	12.9	13.5

* Measurements from Aerial markers

(*) Average for Period of Record

UNITED STATES DEPARTMENT OF AGRICULTURE
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generation , navigation ,
mining and industry

*"The Conservation of Water begins
with the Snow Survey"*